

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Pumpage Test/Driller Information:

Static Water Lev. (in Ft.):	126	Date Tested:	05/1945
1st Test Time (Hrs):	Not Reported	1st Test Pumpage (Gal/min):	700
2nd Test Time (Hrs):	Not Reported	2nd Test Pumpage (Gal/min):	Not Reported
3rd Test Time (Hrs):	Not Reported	3rd Test Pumpage (Gal/min):	Not Reported
Driller's Name:	Not Reported		
Water Level after 1st Pumping Test (in Ft.):		Not Reported	
Water Level after 2nd Pumping Test (in Ft.):		Not Reported	
Water Level after 3rd Pumping Test (in Ft.):		Not Reported	

### Driller's/Geologic Log Information:

Description of Geologic Materials:	FILL
Depth to the Top of measured Interval (in Ft.):	0
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	FILL
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	Holocene Deposits
Description of Geologic Materials:	SAND & BOULDERS
Depth to the Top of measured Interval (in Ft.):	4
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SAND
Secondary Lithography:	BOULDER
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	Pleistocene, sand, materials undifferentiated or sorting unknown, color unknown or unspecified
Description of Geologic Materials:	ROCK
Depth to the Top of measured Interval (in Ft.):	30
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	LIMESTONE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PLATTEVILLE
Description of Geologic Materials:	ST. PETER SANDSTONE
Depth to the Top of measured Interval (in Ft.):	55
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SANDSTONE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	ST. PETER

### Remarks:

CASING: 016 TO 0036; 010 TO 0837.

X112  
NW  
1/2 - 1 Mile  
Lower

MN WELLS 2014982227

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Principal Well Information:

Unique Well #:	149822	County:	HENNEPIN
Township:	29	Section	11
Range:	24	Elevation (in Ft.):	839
Subsection:	BCACDB	Locator:	MGS
Location Method	Address Verification	Depth Completed (in Ft.):	278
7.5 Minute Quadrangle:	120D	Date drilled:	06/21/1978
Depth Drilled (in Ft.):	278	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	MED-TEK INC.	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported	27015	
Data Source/Driller's License #:		Depth Cased (in Ft.):	178
Casing Diam (in):	4	Permit Type:	Not Reported
Permit #:	Not Reported	Wellhead Protection Area:	Not Reported
First Bedrock:	OSTP	Open Interval-Bottom Unit:	Not Reported
Open Interval-Top:	OPDC	Well Grouted ?:	Not Reported
DNR Application #:	Not Reported	Date Well Abandoned:	Not Reported
Well Sealed ?:	Not Reported		
Aquifer:	PRAIRIE DU CHIEN GROUP		
Depth to Bedrock (Ft.):	147		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Industrial		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported

### Well Address Information:

Well Address: 2639 3 ST NE  
MINNEAPOLIS, MN 55418

### Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	48	Date Static Level measured:	06/21/1978
Static Water Level Data Source/Driller's License #:		Not Reported	

### Geologic Information:

Geologic Interp. Method:	Not Reported		
Geologic Interpretation Source:		Not Reported	
Geologist Responsible:	Not Reported	Date of Last Update:	09/11/1991

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:		Not Reported	
Any Drive Shoe:	Not Reported	Casing Installation:	Single Casing
Diameter of the largest Casing Set (in inches):	4		
Depth to the Top of the largest Casing Set (Ft.):	Not Reported		
Depth to the Bottom of the largest Casing Set (Ft.):	178		
Diameter of the 2nd largest Casing Set (in.):	Not Reported		
Depth to the Top of the 2nd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 2nd largest Casing Set (Ft.):	Not Reported		
Diameter of the 3rd largest Casing Set (in.):	Not Reported		
Depth to Top of the 3rd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 3rd largest Casing Set (Ft.):	Not Reported		
Diameter of the Top Section of the Hole (in.):	Not Reported		
Depth to the Bottom of the widest Section of the Hole (Ft.):	Not Reported		
Diameter of the 2nd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):	Not Reported		
Diameter of the 3rd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):	Not Reported		

### Screen Information:

Depth to Top of uncased Interval in Ft. (if not screened):	178		
Depth to Bottom of uncased Interval in Ft. (if not screened):	278		
Any Screen present:	No	Screen Type:	Not Reported
Screen Make:	Not Reported	Screen Diameter (in inches):	Not Reported
1st Screen Slot/Gauze:	Not Reported	1st Screen length:	Not Reported
1st Screen Depth to Top:	Not Reported	1st Screen Depth to Bottom:	Not Reported
2nd Scrn. Slot/Gauze:	Not Reported	2nd Scrn. length:	Not Reported
2nd Scrn. Depth to Top:	Not Reported	2nd Scrn. Depth to Bottom:	Not Reported

### Well Pump Information:

Any Pump installed:	Yes	Pump Type:	Submersible
Date Pump installed:	Not Reported	Pump Manufacturer:	FLOWAY
Pump Model:	Not Reported	Pump Horsepower:	30
Pump Voltage:	Not Reported	Capacity:	Not Reported
Drop Pipe Length (in Ft.):	Not Reported	Drop Pipe Material:	Not Reported

### Driller's/Geologic Log Information:

Description of Geologic Materials:	GRAVEL
Depth to the Top of measured Interval (in Ft.):	Not Reported
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	GRAVEL
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	DARK
Stratigraphic Unit:	Pleistocene,sand,materials undifferentiated or sorting unknown,color unknown or unspedfied

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description of Geologic Materials: CLAY  
Depth to the Top of measured Interval (in Ft.): 24  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: CLAY  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: GRAY  
Stratigraphic Unit: Pleistocene,materials undifferentiated or sorting unknown,gray

Description of Geologic Materials: SAND  
Depth to the Top of measured Interval (in Ft.): 26  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: SAND  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: BRN  
Stratigraphic Unit: Pleistocene,sand,materials undifferentiated or sorting unknown,brown

Description of Geologic Materials: ST. PETER  
Depth to the Top of measured Interval (in Ft.): 147  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: SANDSTONE  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: DK BRN  
Stratigraphic Unit: ST.PETER

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<b>W113</b> <b>WSW</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID:	1573		
	Groundwater Flow:	WSW	<b>AQUIFLOW</b>	<b>25176</b>
	Shallow Water Depth:	10		
	Deep Water Depth:	18		
	Average Water Depth:	Not Reported		
	Date:	11/30/1994		

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<b>W114</b> <b>WSW</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID:	3721		
	Groundwater Flow:	Not Reported	<b>AQUIFLOW</b>	<b>23712</b>
	Shallow Water Depth:	12		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	09/09/1997		

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<b>W115</b> <b>WSW</b> <b>1/2 - 1 Mile</b> <b>Lower</b>		<b>MN WELLS</b>	<b>2023456227</b>
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### Principal Well Information:

Unique Well #:	234562	County:	HENNEPIN
Township:	29	Section	15
Range:	24	Elevation (in Ft.):	818
Subsection:	ADBDBB	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	228
7.5 Minute Quadrangle:	120D	Date drilled:	Not Reported
Depth Drilled (in Ft.):	228	Date of Last Update:	10/11/1995
Status:	Active		
Geographic Coordinates Method:			Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Name:	BELL MANUFACTURING	Owner's Name:	Not Reported
Local Identifier:	Not Reported	Local Identifier Type:	Not Reported
Data Source/Driller's License #:		Not Reported	
Casing Diam (in):	10	Depth Cased (in Ft.):	Not Reported
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	OPDC	Wellhead Protection Area:	Not Reported
Open Interval-Top:	OPDC	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	PRAIRIE DU CHIEN GROUP		
Depth to Bedrock (Ft.):	174		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Commercial		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:		Not Reported	
Indicator that an entry for this well exists in the State Water Use Data System:		Not Reported	
Data exist for this well in the PCA Integrated Ground-Water Information System:		Not Reported	
Indicator of the availability of cuttings, core or downhole geophysical data for this well:		Downhole Geophysics	
Indicator of the existence of a digitized UTM location for this well:		Not Reported	

### Well Address Information:

Well Address:	Not Reported
	MPLS., MN

### Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	48	Date Static Level measured:	07/02/1987
Static Water Level Data Source/Driller's License #:		Not Reported	

### Geologic Information:

Geologic Interp. Method:	Not Reported		
Geologic Interpretation Source:		Not Reported	
Geologist Responsible:	Not Reported	Date of Last Update:	10/11/1995

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:		Casing Installation:	Telescoping
Any Drive Shoe:	Not Reported		
Diameter of the largest Casing Set (in inches):	10		
Depth to the Top of the largest Casing Set (Ft.):	Not Reported		
Depth to the Bottom of the largest Casing Set (Ft.):	Not Reported		
Diameter of the 2nd largest Casing Set (in.):	8		
Depth to the Top of the 2nd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 2nd largest Casing Set (Ft.):	Not Reported		
Diameter of the 3rd largest Casing Set (in.):	Not Reported		
Depth to Top of the 3rd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 3rd largest Casing Set (Ft.):	Not Reported		
Diameter of the Top Section of the Hole (in.):	Not Reported		
Depth to the Bottom of the widest Section of the Hole (Ft.):	Not Reported		
Diameter of the 2nd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):	Not Reported		
Diameter of the 3rd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):	Not Reported		

### Screen Information:

Depth to Top of uncased Interval in Ft. (if not screened):	Not Reported		
Depth to Bottom of uncased Interval in Ft. (if not screened):	228		
Any Screen present:	No	Screen Type:	Not Reported
Screen Make:	Not Reported	Screen Diameter (in inches):	Not Reported
1st Screen Slot/Gauze:	Not Reported	1st Screen length:	Not Reported
1st Screen Depth to Top:	Not Reported	1st Screen Depth to Bottom:	Not Reported
2nd Scrn. Slot/Gauze:	Not Reported	2nd Scrn. length:	Not Reported
2nd Scrn. Depth to Top:	Not Reported	2nd Scrn. Depth to Bottom:	Not Reported

### Driller's/Geologic Log Information:

Description of Geologic Materials:	GLACIAL DRIFT UNDIFFERENTIATED
Depth to the Top of measured Interval (in Ft.):	0
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	DRIFT
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PLEISTOCENE UNDIFF.

Description of Geologic Materials:	PRAIRIE DU CHIEN GROUP
Depth to the Top of measured Interval (in Ft.):	174
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	DOLOMITE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PRAIRIE DU CHIEN GROUP

### Remarks:

7-2-87.  
CASING: 10 TO ; 8 TO .  
DON'T KNOW ORIGINAL DEPTH OF WELL AND CASING DEPTHS. GAMMA LOGGED

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

Y116  
South  
1/2 - 1 Mile  
Lower

MN WELLS 3027512176

## Principal Well Information:

Unique Well #:	512176	County:	HENNEPIN
Township:	29	Section	14
Range:	24	Elevation (in Ft.):	Not Reported
Subsection:	DCC	Locator:	Not Reported
Location Method	Not Reported	Depth Completed (in Ft.):	120
7.5 Minute Quadrangle:	104A	Date drilled:	02/22/1990
Depth Drilled (in Ft.):	120	Date of Last Update:	02/05/1993
Status:	Not Reported	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	CITY OF MINNEAPOLIS	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27118	
Casing Diam (in):	16	Depth Cased (in Ft.):	70
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	Not Reported	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Yes
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	No		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Not Reported		
Elevation Method:	Not Reported		
Data for this well are contained in the DNT Observation Well Network Data base:		Not Reported	
Indicator that an entry for this well exists in the State Water Use Data System:		Not Reported	
Data exist for this well in the PCA Integrated Ground-Water Information System:		Not Reported	
Indicator of the availability of cuttings, core or downhole geophysical data for this well:		Not Reported	
Indicator of the existence of a digitized UTM location for this well:		Not Reported	

## Well Address Information:

Well Address: Not Reported

## Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	55	Date Static Level measured:	02/22/1990
Static Water Level Data Source/Driller's License #:		27118	

## Remarks:

INTERSECTION 5TH ST. NE & 4TH AVE. NE  
MCNALLY CONST. & TUNNELING

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

WELL 2

Y117  
South  
1/2 - 1 Mile  
Lower

MN WELLS 3027512175

## Principal Well Information:

Unique Well #:	512175	County:	HENNEPIN
Township:	29	Section	14
Range:	24	Elevation (in Ft.):	Not Reported
Subsection:	DCC	Locator:	Not Reported
Location Method	Not Reported	Depth Completed (in Ft.):	121
7.5 Minute Quadrangle:	104A	Date drilled:	02/19/1990
Depth Drilled (in Ft.):	121	Date of Last Update:	02/05/1993
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	CITY OF MINNEAPOLIS	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27118	
Casing Diam (in):	24	Depth Cased (in Ft.):	35
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	Not Reported	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Yes
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	No		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Other		
Elevation Method:	Not Reported		
Data for this well are contained in the DNT Observation Well Network Data base:		Not Reported	
Indicator that an entry for this well exists in the State Water Use Data System:		Not Reported	
Data exist for this well in the PCA Integrated Ground-Water Information System:		Not Reported	
Indicator of the availability of cuttings, core or downhole geophysical data for this well:		Not Reported	
Indicator of the existence of a digitized UTM location for this well:		Not Reported	

## Well Address Information:

Well Address: Not Reported

## Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	55	Date Static Level measured:	02/01/1983
Static Water Level Data Source/Driller's License #:		27118	

## Remarks:

INTERSECTION 5TH ST. NE & 3RD AVE. NE  
MCNALLY CONST. & TUNNELING, BOX 18336, MINNEAPOLIS, MN 55418



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

WELL 1

W118  
WSW  
1/2 - 1 Mile  
Lower

MN WELLS 2020026727

## Principal Well Information:

Unique Well #:	200267	County:	HENNEPIN
Township:	29	Section:	15
Range:	24	Elevation (in Ft.):	815
Subsection:	ADDCBD	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	700
7.5 Minute Quadrangle:	104A	Date drilled:	11/23/1938
Depth Drilled (in Ft.):	700	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	MPLS BREWING CO (GRAIN B	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27010	
Casing Diam (in):	14	Depth Cased (in Ft.):	188
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	OSTP	Wellhead Protection Area:	Not Reported
Open Interval-Top:	OPDC	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	MULTIPLE AQUIFER		
Depth to Bedrock (Ft.):	82		
Any other Unused, Abandoned Well on Property ?:		Not Reported	
Potential Pollution Source Type:		Not Reported	
Potential Pollution Source Distance (in Ft.):		Not Reported	
Potential Pollution Source Direction:		Not Reported	
Use:	Industrial		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:		Not Reported	
Indicator that an entry for this well exists in the State Water Use Data System:		Not Reported	
Data exist for this well in the PCA Integrated Ground-Water Information System:		Not Reported	
Indicator of the availability of cuttings, core or downhole geophysical data for this well:		Not Reported	
Indicator of the existence of a digitized UTM location for this well:		Not Reported	

## Well Address Information:

Well Address: 1215 MARSHALL AV NE  
MINNEAPOLIS, MN

## Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	43	Date Static Level measured:	11/23/1938
Static Water Level Data Source/Driller's License #:		Not Reported	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Coliform Bacteria Count: Not Reported  
Coliform Sampling Date: Not Reported  
Colif. Analys. Reliability: Not Reported  
Nitrate Count (mg/l): Not Reported  
Nitrate Sampling Date: Not Reported  
Nit. Analys. Reliability: Not Reported  
Static Water Lev. (in Ft.): 36.0  
Static Water Level Data Source/Driller's License #:  
Coliform Bacteria Count: Not Reported  
Coliform Sampling Date: Not Reported  
Colif. Analys. Reliability: Not Reported  
Nitrate Count (mg/l): Not Reported  
Nitrate Sampling Date: Not Reported  
Nit. Analys. Reliability: Not Reported  
Static Water Lev. (in Ft.): 48.1  
Static Water Level Data Source/Driller's License #:  
Coliform Bacteria Count: Not Reported  
Coliform Sampling Date: Not Reported  
Colif. Analys. Reliability: Not Reported  
Nitrate Count (mg/l): Not Reported  
Nitrate Sampling Date: Not Reported  
Nit. Analys. Reliability: Not Reported  
Static Water Lev. (in Ft.): 59.1  
Static Water Level Data Source/Driller's License #:  
Coliform Bacteria Count: Not Reported  
Coliform Sampling Date: Not Reported  
Colif. Analys. Reliability: Not Reported  
Nitrate Count (mg/l): Not Reported  
Nitrate Sampling Date: Not Reported  
Nit. Analys. Reliability: Not Reported  
Static Water Lev. (in Ft.): 45.35  
Static Water Level Data Source/Driller's License #:  
Coliform Bacteria Count: Not Reported  
Coliform Sampling Date: Not Reported  
Colif. Analys. Reliability: Not Reported  
Nitrate Count (mg/l): Not Reported  
Nitrate Sampling Date: Not Reported  
Nit. Analys. Reliability: Not Reported  
Static Water Lev. (in Ft.): 57.02  
Static Water Level Data Source/Driller's License #:

Detection Limit Flag: Not Reported  
Coliform Analysis Source: Not Reported  
Bacteria Analysis Technique: Not Reported  
Nitrate Detection Limit Flag: Not Reported  
Nitrate Analysis Source: Not Reported  
Nit. Analysis Technique: Not Reported  
Date Static Level measured: 05/09/1988  
Minn. Geological Survey  
Detection Limit Flag: Not Reported  
Coliform Analysis Source: Not Reported  
Bacteria Analysis Technique: Not Reported  
Nitrate Detection Limit Flag: Not Reported  
Nitrate Analysis Source: Not Reported  
Nit. Analysis Technique: Not Reported  
Date Static Level measured: 09/12/1988  
Minn. Geological Survey  
Detection Limit Flag: Not Reported  
Coliform Analysis Source: Not Reported  
Bacteria Analysis Technique: Not Reported  
Nitrate Detection Limit Flag: Not Reported  
Nitrate Analysis Source: Not Reported  
Nit. Analysis Technique: Not Reported  
Date Static Level measured: 07/08/1988  
Minn. Geological Survey  
Detection Limit Flag: Not Reported  
Coliform Analysis Source: Not Reported  
Bacteria Analysis Technique: Not Reported  
Nitrate Detection Limit Flag: Not Reported  
Nitrate Analysis Source: Not Reported  
Nit. Analysis Technique: Not Reported  
Date Static Level measured: 06/09/1988  
Minn. Geological Survey  
Detection Limit Flag: Not Reported  
Coliform Analysis Source: Not Reported  
Bacteria Analysis Technique: Not Reported  
Nitrate Detection Limit Flag: Not Reported  
Nitrate Analysis Source: Not Reported  
Nit. Analysis Technique: Not Reported  
Date Static Level measured: 08/15/1988  
Minn. Geological Survey

### Geologic Information:

Geologic Interp. Method: Not Reported  
Geologic Interpretation Source:  
Geologist Responsible: Not Reported

Not Reported  
Date of Last Update: 09/11/1991

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:		Casing Installation:	Telescoping
Any Drive Shoe:	Not Reported		
Diameter of the largest Casing Set (in inches):	20		
Depth to the Top of the largest Casing Set (Ft.):	Not Reported		
Depth to the Bottom of the largest Casing Set (Ft.):	81		
Diameter of the 2nd largest Casing Set (in.):	14		
Depth to the Top of the 2nd largest Casing Set (Ft.):	81		
Depth to Bottom of the 2nd largest Casing Set (Ft.):	188		
Diameter of the 3rd largest Casing Set (in.):	Not Reported		
Depth to Top of the 3rd largest Casing Set (Ft.):	188		
Depth to Bottom of the 3rd largest Casing Set (Ft.):	Not Reported		
Diameter of the Top Section of the Hole (in.):	Not Reported		
Depth to the Bottom of the widest Section of the Hole (Ft.):	Not Reported		
Diameter of the 2nd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):	Not Reported		
Diameter of the 3rd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):	Not Reported		

### Driller's/Geologic Log Information:

Description of Geologic Materials:	SAND AND GRAVEL
Depth to the Top of measured Interval (in Ft.):	Not Reported
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SAND
Secondary Lithography:	GRAVEL
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	Pleistocene,sand,materials undifferentiated or sorting unknown,color unknown or unspedfied

Description of Geologic Materials:	BLUE CLAY AND GRAVEL
Depth to the Top of measured Interval (in Ft.):	21
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	CLAY
Secondary Lithography:	GRAVEL
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PLEISTOCENE UNDIFF.

Description of Geologic Materials:	ST PETER SAND
Depth to the Top of measured Interval (in Ft.):	82
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SANDSTONE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	ST.PETER

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description of Geologic Materials:	SHAKOPEE LIMESTONE
Depth to the Top of measured Interval (in Ft.):	160
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	DOLOMITE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PRAIRIE DU CHIEN GROUP

### Remarks:

CASING: 020 TO 0081;014 TO 0188.  
M.P.-3.8 JERRY OLEGAR 337-1867  
MP ABOUT GROUND LEVEL MEASURE 6/9 OPC=CMS JERRY OLEGAR337-1867  
OPC + CMS

Z119  
East  
1/2 - 1 Mile  
Higher

MN WELLS 3027490360

### Principal Well Information:

Unique Well #:	490360	County:	HENNEPIN
Township:	29	Section	13
Range:	24	Elevation (in Ft.):	Not Reported
Subsection:	ABB	Locator:	Not Reported
Location Method	Not Reported	Depth Completed (in Ft.):	42
7.5 Minute Quadrangle:	119C	Date drilled:	05/07/1991
Depth Drilled (in Ft.):	44	Date of Last Update:	02/05/1993
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	NAT'L. WAREHOUSE INV.	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported	M0054	
Data Source/Driller's License #:		Depth Cased (in Ft.):	32
Casing Diam (in):	2	Permit Type:	Not Reported
Permit #:	Not Reported	Wellhead Protection Area:	Not Reported
First Bedrock:	Not Reported	Open Interval-Bottom Unit:	Not Reported
Open Interval-Top:	Not Reported	Well Grouted ?:	Yes
DNR Application #:	Not Reported	Date Well Abandoned:	Not Reported
Well Sealed ?:	Not Reported		
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Tanks		
Potential Pollution Source Distance (in Ft.):	150		
Potential Pollution Source Direction:	NW		
Use:	Monitor Well		
Elevation Method:	Not Reported		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported

### Well Address Information:

Well Address: 1708 ARTHUR ST NE  
MINNEAPOLIS, MN

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Owner/Contact Address Information:

Owner's Address: 7400 BAY MEADOWS #350 WA  
JACKSONVILLE, FL, MN 32256

### Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	Not Reported	Date Static Level measured:	05/07/1991
Static Water Level Data Source/Driller's License #:			M0054

### Remarks:

MW 1

Z120  
East  
1/2 - 1 Mile  
Higher

MN WELLS 3027490362

### Principal Well Information:

Unique Well #:	490362	County:	HENNEPIN
Township:	29	Section:	13
Range:	24	Elevation (in Ft.):	Not Reported
Subsection:	ABB	Locator:	Not Reported
Location Method	Not Reported	Depth Completed (in Ft.):	40
7.5 Minute Quadrangle:	Not Reported	Date drilled:	05/16/1991
Depth Drilled (in Ft.):	41	Date of Last Update:	02/05/1993
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	NAT'L. WAREHOUSE INVEST.	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported	M0054	
Data Source/Driller's License #:		Depth Cased (in Ft.):	30
Casing Diam (in):	2	Permit Type:	Not Reported
Permit #:	Not Reported	Wellhead Protection Area:	Not Reported
First Bedrock:	Not Reported	Open Interval-Bottom Unit:	Not Reported
Open Interval-Top:	Not Reported	Well Grouted ?:	Yes
DNR Application #:	Not Reported	Date Well Abandoned:	Not Reported
Well Sealed ?:	Not Reported		
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Monitor Well		
Elevation Method:	Not Reported		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Well Address Information:

Well Address: 1708 ARTHUR AV NE  
MINNEAPOLIS, MN

### Owner/Contact Address Information:

Owner's Address: 7400 BAYMEADOWS #305 WA  
JACKSONVILLE, FL, MN

### Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	Not Reported	Date Static Level measured:	Not Reported
Static Water Level Data Source/Driller's License #:			M0054

### Remarks:

MW 2

Z121  
East  
1/2 - 1 Mile  
Higher

MN WELLS 3027490361

### Principal Well Information:

Unique Well #:	490361	County:	HENNEPIN
Township:	29	Section	13
Range:	24	Elevation (in Ft.):	Not Reported
Subsection:	ABB	Locator:	Not Reported
Location Method	Not Reported	Depth Completed (in Ft.):	41
7.5 Minute Quadrangle:	119C	Date drilled:	05/09/1991
Depth Drilled (in Ft.):	41	Date of Last Update:	02/05/1993
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	NAT'L. WAREHOUSE INVEST.	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:			M0054
Casing Diam (in):	31	Depth Cased (in Ft.):	41
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	Not Reported	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Yes
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:		Not Reported	
Potential Pollution Source Type:		Tanks	
Potential Pollution Source Distance (in Ft.):		50	
Potential Pollution Source Direction:		NE	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Use: Monitor Well  
Elevation Method: Not Reported  
Data for this well are contained in the DNT Observation Well Network Data base: Not Reported  
Indicator that an entry for this well exists in the State Water Use Data System: Not Reported  
Data exist for this well in the PCA Integrated Ground-Water Information System: Not Reported  
Indicator of the availability of cuttings, core or downhole geophysical data for this well: Not Reported  
Indicator of the existence of a digitized UTM location for this well: Not Reported

### Well Address Information:

Well Address: 1708 ARTHUR ST NE  
MINNEAPOLIS, MN

### Owner/Contact Address Information:

Owner's Address: 7400 BAYMEADOWS #305 WA  
JACKSONVILLE, FL, MN

### Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	Not Reported	Date Static Level measured:	05/09/1991
Static Water Level Data Source/Driller's License #:			M0054

### Remarks:

MW 3

AA122  
WNW  
1/2 - 1 Mile  
Lower

MN WELLS 2020025527

### Principal Well Information:

Unique Well #:	200255	County:	HENNEPIN
Township:	29	Section:	10
Range:	24	Elevation (in Ft.):	823
Subsection:	DDBDBA	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	675
7.5 Minute Quadrangle:	120D	Date drilled:	Not Reported
Depth Drilled (in Ft.):	675	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	GLUER BREWING COMPANY	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported	Not Reported	
Data Source/Driller's License #:		Depth Cased (in Ft.):	Not Reported
Casing Diam (in):	Not Reported	Permit Type:	Not Reported
Permit #:	Not Reported	Wellhead Protection Area:	Not Reported
First Bedrock:	OPDC	Open Interval-Bottom Unit:	Not Reported
Open Interval-Top:	Not Reported	Well Grouted ?:	Not Reported
DNR Application #:	Not Reported	Date Well Abandoned:	Not Reported
Well Sealed ?:	Not Reported		
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	228		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Use: Industrial  
Elevation Method: 7.5-minute Topographic Map (+ or - 5 Feet)  
Data for this well are contained in the DNT Observation Well Network Data base: Not Reported  
Indicator that an entry for this well exists in the State Water Use Data System: Not Reported  
Data exist for this well in the PCA Integrated Ground-Water Information System: Not Reported  
Indicator of the availability of cuttings, core or downhole geophysical data for this well: Not Reported  
Indicator of the existence of a digitized UTM location for this well: Not Reported

### Well Address Information:

Well Address: 2021 MARSHALL AV NE

### Geologic Information:

Geologic Interp. Method: Not Reported  
Geologic Interpretation Source: Not Reported  
Geologist Responsible: Not Reported  
Date of Last Update: 09/11/1991

### Driller's/Geologic Log Information:

Description of Geologic Materials: CLAY  
Depth to the Top of measured Interval (in Ft.): Not Reported  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: CLAY  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: Pleistocene, materials undifferentiated or sorting unknown, color unknown or unspecified

Description of Geologic Materials: SAND  
Depth to the Top of measured Interval (in Ft.): 54  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: SAND  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: Pleistocene, sand, materials undifferentiated or sorting unknown, color unknown or unspecified

Description of Geologic Materials: SAND AND GRAVEL  
Depth to the Top of measured Interval (in Ft.): 122  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: SAND  
Secondary Lithography: GRAVEL  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: Pleistocene, sand, materials undifferentiated or sorting unknown, color unknown or unspecified

Description of Geologic Materials: SHAKOPEE  
Depth to the Top of measured Interval (in Ft.): 228  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: DOLOMITE  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: PRAIRIE DU CHIEN GROUP



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

W123  
WSW  
1/2 - 1 Mile  
Lower

MN WELLS 2020026927

## Principal Well Information:

Unique Well #:	200269	County:	HENNEPIN
Township:	29	Section	15
Range:	24	Elevation (in Ft.):	812
Subsection:	ADCDBD	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	709
7.5 Minute Quadrangle:	104A	Date drilled:	07/10/1951
Depth Drilled (in Ft.):	709	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	MPLS BREWING CO (GRAIN B	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27010	
Casing Diam (in):	20	Depth Cased (in Ft.):	220
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	OSTP	Wellhead Protection Area:	Not Reported
Open Interval-Top:	OPDC	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	MULTIPLE AQUIFER		
Depth to Bedrock (Ft.):	85		
Any other Unused, Abandoned Well on Property ?:		Not Reported	
Potential Pollution Source Type:		Not Reported	
Potential Pollution Source Distance (in Ft.):		Not Reported	
Potential Pollution Source Direction:		Not Reported	
Use:	Industrial		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:		Not Reported	
Indicator that an entry for this well exists in the State Water Use Data System:		Not Reported	
Data exist for this well in the PCA Integrated Ground-Water Information System:		Not Reported	
Indicator of the availability of cuttings, core or downhole geophysical data for this well:		Not Reported	
Indicator of the existence of a digitized UTM location for this well:		Not Reported	

## Well Address Information:

Well Address: 1215 MARSHALL AV NE  
MINNEAPOLIS, MN

## Geologic Information:

Geologic Interp. Method:	Not Reported		
Geologic Interpretation Source:		Not Reported	
Geologist Responsible:	Not Reported	Date of Last Update:	09/11/1991

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:		Not Reported	
Any Drive Shoe:	Not Reported	Casing Installation:	Step-down
Diameter of the largest Casing Set (in inches):	24		
Depth to the Top of the largest Casing Set (Ft.):	Not Reported		
Depth to the Bottom of the largest Casing Set (Ft.):	121		
Diameter of the 2nd largest Casing Set (in.):	20		
Depth to the Top of the 2nd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 2nd largest Casing Set (Ft.):	220		
Diameter of the 3rd largest Casing Set (in.):	Not Reported		
Depth to Top of the 3rd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 3rd largest Casing Set (Ft.):	Not Reported		
Diameter of the Top Section of the Hole (in.):	Not Reported		
Depth to the Bottom of the widest Section of the Hole (Ft.):	Not Reported		
Diameter of the 2nd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):	Not Reported		
Diameter of the 3rd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):	Not Reported		

### Driller's/Geologic Log Information:

Description of Geologic Materials:	SAND AND GRAVEL
Depth to the Top of measured Interval (in Ft.):	Not Reported
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SAND
Secondary Lithography:	GRAVEL
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	Pleistocene,sand,materials undifferentiated or sorting unknown,color unknown or unspedfied

Description of Geologic Materials:	BLUE CLAY AND GRAVEL
Depth to the Top of measured Interval (in Ft.):	20
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	CLAY
Secondary Lithography:	GRAVEL
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PLEISTOCENE UNDIFF.

Description of Geologic Materials:	ST PETER SANDSTONE
Depth to the Top of measured Interval (in Ft.):	85
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SANDSTONE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	ST.PETER

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description of Geologic Materials:	SHAKOPEE LIMESTONE
Depth to the Top of measured Interval (in Ft.):	162
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	DOLOMITE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PRAIRIE DU CHIEN GROUP

### Remarks:

CASING: 024 TO 0121;020 TO 0220.

W124  
WSW  
1/2 - 1 Mile  
Lower

MN WELLS 2020026827

### Principal Well Information:

Unique Well #:	200268	County:	HENNEPIN
Township:	29	Section:	15
Range:	24	Elevation (in Ft.):	810
Subsection:	ADCCDCB	Locator:	MGS
Location Method:	Not Reported	Depth Completed (in Ft.):	951
7.5 Minute Quadrangle:	104A	Date drilled:	03/30/1963
Depth Drilled (in Ft.):	951	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	MPLS BREWING CO (GRAIN B	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:			
Casing Diam (in):	20	Depth Cased (in Ft.):	805
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	OSTP	Wellhead Protection Area:	Not Reported
Open Interval-Top:	CMTS	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	MT.SIMON		
Depth to Bedrock (Ft.):	125		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Industrial		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported

### Well Address Information:

Well Address: 1215 MARSHALL AV NE  
MINNEAPOLIS, MN

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	123	Date Static Level measured:	03/11/1963
Static Water Level Data Source/Driller's License #:			Not Reported

### Geologic Information:

Geologic Interp. Method:	Not Reported		
Geologic Interpretation Source:		Not Reported	
Geologist Responsible:	Not Reported	Date of Last Update:	09/11/1991

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:		Not Reported	
Any Drive Shoe:	Not Reported	Casing Installation:	Step-down
Diameter of the largest Casing Set (in inches):		24	
Depth to the Top of the largest Casing Set (Ft.):		Not Reported	
Depth to the Bottom of the largest Casing Set (Ft.):		132	
Diameter of the 2nd largest Casing Set (in.):		20	
Depth to the Top of the 2nd largest Casing Set (Ft.):		Not Reported	
Depth to Bottom of the 2nd largest Casing Set (Ft.):		805	
Diameter of the 3rd largest Casing Set (in.):		Not Reported	
Depth to Top of the 3rd largest Casing Set (Ft.):		Not Reported	
Depth to Bottom of the 3rd largest Casing Set (Ft.):		Not Reported	
Diameter of the Top Section of the Hole (in.):		Not Reported	
Depth to the Bottom of the widest Section of the Hole (Ft.):		Not Reported	
Diameter of the 2nd largest Section of the Hole (in.):		Not Reported	
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):		Not Reported	
Diameter of the 3rd largest Section of the Hole (in.):		Not Reported	
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):		Not Reported	

### Driller's/Geologic Log Information:

Description of Geologic Materials:	YELLOW SAND AND CLAY
Depth to the Top of measured Interval (in Ft.):	Not Reported
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SAND
Secondary Lithography:	CLAY
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PLEISTOCENE UNDIFF.

Description of Geologic Materials:	ST PETER SANDSTONE
Depth to the Top of measured Interval (in Ft.):	125
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SANDSTONE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	ST.PETER

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description of Geologic Materials:	SHAKOPEE LIME ROCK
Depth to the Top of measured Interval (in Ft.):	158
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	DOLOMITE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	PRAIRIE DU CHIEN GROUP

Description of Geologic Materials:	JORDAN SANDSTONE
Depth to the Top of measured Interval (in Ft.):	285
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SANDSTONE
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	Not Reported
Stratigraphic Unit:	JORDAN

### Remarks:

CASING: 024 TO 0132;020 TO 0805.  
STATIC WATER LEVEL 123 FT. 3-11-63  
WELL #5 127104A6303300292415ADCDC

AA125  
WNW  
1/2 - 1 Mile  
Lower

MN WELLS 3027498662

### Principal Well Information:

Unique Well #:	498662	County:	HENNEPIN
Township:	29	Section	10
Range:	24	Elevation (in Ft.):	Not Reported
Subsection:	DDB	Locator:	Not Reported
Location Method	Not Reported	Depth Completed (in Ft.):	19
7.5 Minute Quadrangle:	120D	Date drilled:	12/13/1991
Depth Drilled (in Ft.):	25	Date of Last Update:	12/29/1992
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	LOFTMAN BUILDING FUND	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27653	
Casing Diam (in):	2	Depth Cased (in Ft.):	9
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	Not Reported	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Yes
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:		Not Reported	
Potential Pollution Source Type:		Not Reported	
Potential Pollution Source Distance (in Ft.):		Not Reported	
Potential Pollution Source Direction:		Not Reported	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Use: Monitor Well  
Elevation Method: Not Reported  
Data for this well are contained in the DNT Observation Well Network Data base: Not Reported  
Indicator that an entry for this well exists in the State Water Use Data System: Not Reported  
Data exist for this well in the PCA Integrated Ground-Water Information System: Not Reported  
Indicator of the availability of cuttings, core or downhole geophysical data for this well: Not Reported  
Indicator of the existence of a digitized UTM location for this well: Not Reported

### Well Address Information:

Well Address: 1901 GRAND ST NE  
MINNEAPOLIS, MN

### Owner/Contact Address Information:

Owner's Address: 24 MAIN #70 ST S  
ST.MICHAEL, MN 55376

### Coliform/Nitrate/Static Water Level Information:

Coliform Bacteria Count:	Not Reported	Detection Limit Flag:	Not Reported
Coliform Sampling Date:	Not Reported	Coliform Analysis Source:	Not Reported
Colif. Analys. Reliability:	Not Reported	Bacteria Analysis Technique:	Not Reported
Nitrate Count (mg/l):	Not Reported	Nitrate Detection Limit Flag:	Not Reported
Nitrate Sampling Date:	Not Reported	Nitrate Analysis Source:	Not Reported
Nit. Analys. Reliability:	Not Reported	Nit. Analysis Technique:	Not Reported
Static Water Lev. (in Ft.):	12	Date Static Level measured:	12/13/1991
Static Water Level Data Source/Driller's License #:			27653

### Remarks:

MW 7

AB126 WSW 1/2 - 1 Mile Lower	Site ID:	3445		
	Groundwater Flow:	Not Reported	AQUIFLOW	24304
	Shallow Water Depth:	12		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	10/25/1990		

AC127 ESE 1/2 - 1 Mile Lower	FED USGS	450000093141203
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### BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1968	County:	Hennepin
Altitude:	850.00 ft.	State:	Minnesota
Well Depth:	86.60 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	15.50 ft.	Prim. Use of Site:	Test
Date Measured:	Not Reported	Prim. Use of Water:	Unused

AC128 ESE 1/2 - 1 Mile Lower	FED USGS	450000093141201
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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type	County:	Hennepin
Year Constructed:	1969	State:	Minnesota
Altitude:	850.00 ft.	Topographic Setting:	Not Reported
Well Depth:	34.50 ft.	Prim. Use of Site:	Test
Depth to Water Table:	18.50 ft.	Prim. Use of Water:	Unused
Date Measured:	Not Reported		

AC129

ESE

1/2 - 1 Mile

Lower

FED USGS

450000093141202

## BASIC WELL DATA

Site Type:	Single well, other than collector or Ranney type	County:	Hennepin
Year Constructed:	Not Reported	State:	Minnesota
Altitude:	850.00 ft.	Topographic Setting:	Not Reported
Well Depth:	97.00 ft.	Prim. Use of Site:	Test
Depth to Water Table:	Not Reported	Prim. Use of Water:	Unused
Date Measured:	Not Reported		

Y130

South

1/2 - 1 Mile

Lower

MN WELLS

3027235552

## Principal Well Information:

Unique Well #:	235552	County:	HENNEPIN
Township:	29	Section:	14
Range:	24	Elevation (in Ft.):	835
Subsection:	DCCDBC	Locator:	MGS
Location Method	Info. from Owner	Depth Completed (in Ft.):	120
7.5 Minute Quadrangle:	104A	Date drilled:	11/30/1982
Depth Drilled (in Ft.):	120	Date of Last Update:	10/11/1995
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	MEI-62	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported	Not Reported	
Data Source/Driller's License #:		Depth Cased (in Ft.):	Not Reported
Casing Diam (in):	Not Reported	Permit Type:	Not Reported
Permit #:	Not Reported	Wellhead Protection Area:	Not Reported
First Bedrock:	OPVL	Open Interval-Bottom Unit:	Not Reported
Open Interval-Top:	Not Reported	Well Grouted ?:	Not Reported
DNR Application #:	Not Reported	Date Well Abandoned:	Not Reported
Well Sealed ?:	Not Reported		
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	14		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Test Well		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Downhole Geophysics
Indicator of the existence of a digitized UTM location for this well:			Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Well Address Information:

Well Address: Not Reported  
MINNEAPOLIS, MN

### Geologic Information:

Geologic Interp. Method: Not Reported  
Geologic Interpretation Source: Not Reported  
Geologist Responsible: Not Reported  
Date of Last Update: 10/11/1995

### Driller's/Geologic Log Information:

Description of Geologic Materials: DRIFT OR FILL  
Depth to the Top of measured Interval (in Ft.): 0  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: DRIFT  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: PLEISTOCENE UNDIFF.

Description of Geologic Materials: PLATTEVILLE LIMESTONE  
Depth to the Top of measured Interval (in Ft.): 14  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: LIMESTONE  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: PLATTEVILLE

Description of Geologic Materials: GLENWOOD SHALE  
Depth to the Top of measured Interval (in Ft.): 23  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: SHALE  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: GLENWOOD

Description of Geologic Materials: ST. PETER SANDSTONE  
Depth to the Top of measured Interval (in Ft.): 26  
Hardness of Geologic Materials: Not Reported  
Interpreted Primary Lithography: SANDSTONE  
Secondary Lithography: Not Reported  
Minor Lithography: Not Reported  
Color of Geo. Materials: Not Reported  
Stratigraphic Unit: ST.PETER

### Remarks:

GAMMA & ELECTRIC LOGGED

AD131  
ENE  
1/2 - 1 Mile  
Higher

MN WELLS 3027439732



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Principal Well Information:

Unique Well #:	439732	County:	HENNEPIN
Township:	29	Section	12
Range:	24	Elevation (in Ft.):	930
Subsection:	CAADDD	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	23
7.5 Minute Quadrangle:	119C	Date drilled:	04/01/1988
Depth Drilled (in Ft.):	23	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	PHILLIPS 66	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27058	
Casing Diam (in):	6	Depth Cased (in Ft.):	10
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	QWTA	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Pleistocene, clay + sand + silt - pebble free		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Other		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported

### Well Address Information:

Well Address: 2808 JOHNSON ST NE  
MPLS., MN

### Geologic Information:

Geologic Interp. Method:	Not Reported		
Geologic Interpretation Source:		Not Reported	
Geologist Responsible:	Not Reported	Date of Last Update:	09/11/1991

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:		Not Reported	
Any Drive Shoe:	Not Reported	Casing Installation:	Single Casing
Diameter of the largest Casing Set (in inches):	6		
Depth to the Top of the largest Casing Set (Ft.):	Not Reported		
Depth to the Bottom of the largest Casing Set (Ft.):	10		
Diameter of the 2nd largest Casing Set (in.):	Not Reported		
Depth to the Top of the 2nd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 2nd largest Casing Set (Ft.):	Not Reported		
Diameter of the 3rd largest Casing Set (in.):	Not Reported		
Depth to Top of the 3rd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 3rd largest Casing Set (Ft.):	Not Reported		
Diameter of the Top Section of the Hole (in.):	Not Reported		
Depth to the Bottom of the widest Section of the Hole (Ft.):	Not Reported		
Diameter of the 2nd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):	Not Reported		
Diameter of the 3rd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):	Not Reported		

### Screen Information:

Depth to Top of uncased Interval in Ft. (if not screened):	Not Reported		
Depth to Bottom of uncased Interval in Ft. (if not screened):	Not Reported		
Any Screen present:	Yes	Screen Type:	Galvanized
Screen Make:	JOHNSON	Screen Diameter (in inches):	6
1st Screen Slot/Gauze:	20	1st Screen length:	10
1st Screen Depth to Top:	10	1st Screen Depth to Bottom:	20
2nd Scrn. Slot/Gauze:	Not Reported	2nd Scrn. length:	Not Reported
2nd Scrn. Depth to Top:	Not Reported	2nd Scrn. Depth to Bottom:	Not Reported

### Driller's/Geologic Log Information:

Description of Geologic Materials:	FILL
Depth to the Top of measured Interval (in Ft.):	Not Reported
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	FILL
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	BROWN
Stratigraphic Unit:	Holocene Deposits
Description of Geologic Materials:	CLAY SILT
Depth to the Top of measured Interval (in Ft.):	20
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	CLAY
Secondary Lithography:	SILT
Minor Lithography:	Not Reported
Color of Geo. Materials:	RED
Stratigraphic Unit:	Pleistocene, materials undifferentiated or sorting unknown, red

AD132  
ENE  
1/2 - 1 Mile  
Higher

MN WELLS 3027439731

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Principal Well Information:

Unique Well #:	439731	County:	HENNEPIN
Township:	29	Section	12
Range:	24	Elevation (in Ft.):	930
Subsection:	CAADDD	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	24
7.5 Minute Quadrangle:	119C	Date drilled:	04/01/1988
Depth Drilled (in Ft.):	24	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	PHILLIPS 66	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27058	
Casing Diam (in):	6	Depth Cased (in Ft.):	10
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	QWTA	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Pleistocene, clay + sand + silt - pebble free		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Other		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported

### Well Address Information:

Well Address: 2808 JOHNSON ST NE  
MPLS., MN

### Geologic Information:

Geologic Interp. Method:	Not Reported		
Geologic Interpretation Source:		Not Reported	
Geologist Responsible:	Not Reported	Date of Last Update:	09/11/1991

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:		Not Reported	
Any Drive Shoe:	Not Reported	Casing Installation:	Single Casing
Diameter of the largest Casing Set (in inches):	6		
Depth to the Top of the largest Casing Set (Ft.):	Not Reported		
Depth to the Bottom of the largest Casing Set (Ft.):	10		
Diameter of the 2nd largest Casing Set (in.):	Not Reported		
Depth to the Top of the 2nd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 2nd largest Casing Set (Ft.):	Not Reported		
Diameter of the 3rd largest Casing Set (in.):	Not Reported		
Depth to Top of the 3rd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 3rd largest Casing Set (Ft.):	Not Reported		
Diameter of the Top Section of the Hole (in.):	Not Reported		
Depth to the Bottom of the widest Section of the Hole (Ft.):	Not Reported		
Diameter of the 2nd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):	Not Reported		
Diameter of the 3rd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):	Not Reported		

### Screen Information:

Depth to Top of uncased Interval in Ft. (if not screened):	Not Reported		
Depth to Bottom of uncased Interval in Ft. (if not screened):	Not Reported		
Any Screen present:	Yes	Screen Type:	Galvanized
Screen Make:	JOHNSON	Screen Diameter (in inches):	6
1st Screen Slot/Gauze:	20	1st Screen length:	10
1st Screen Depth to Top:	10	1st Screen Depth to Bottom:	20
2nd Scrn. Slot/Gauze:	Not Reported	2nd Scrn. length:	Not Reported
2nd Scrn. Depth to Top:	Not Reported	2nd Scrn. Depth to Bottom:	Not Reported

### Driller's/Geologic Log Information:

Description of Geologic Materials:	CLAY
Depth to the Top of measured Interval (in Ft.):	Not Reported
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	CLAY
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	GRAY
Stratigraphic Unit:	Pleistocene, materials undifferentiated or sorting unknown, gray

Description of Geologic Materials:	CLAY SILT
Depth to the Top of measured Interval (in Ft.):	5
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	CLAY
Secondary Lithography:	SILT
Minor Lithography:	Not Reported
Color of Geo. Materials:	RED
Stratigraphic Unit:	Pleistocene, materials undifferentiated or sorting unknown, red

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description of Geologic Materials:	SAND SILT
Depth to the Top of measured Interval (in Ft.):	10
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SAND
Secondary Lithography:	SILT
Minor Lithography:	Not Reported
Color of Geo. Materials:	RED
Stratigraphic Unit:	Pleistocene,sand,materials undifferentiated or sorting unknown,red

Description of Geologic Materials:	CLAY
Depth to the Top of measured Interval (in Ft.):	15
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	CLAY
Secondary Lithography:	Not Reported
Minor Lithography:	Not Reported
Color of Geo. Materials:	RED
Stratigraphic Unit:	Pleistocene,materials undifferentiated or sorting unknown,red

AD133  
ENE  
1/2 - 1 Mile  
Higher

MN WELLS 3027439729

### Principal Well Information:

Unique Well #:	439729	County:	HENNEPIN
Township:	29	Section	12
Range:	24	Elevation (in Ft.):	930
Subsection:	CAADDD	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	18
7.5 Minute Quadrangle:	119C	Date drilled:	04/01/1988
Depth Drilled (in Ft.):	18	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	PHILLIPS 66	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:			
Casing Diam (in):	4	Depth Cased (in Ft.):	8
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	Not Reported	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Other		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Well Address Information:

Well Address: 2808 JOHNSON ST NE  
MPLS., MN

### Geologic Information:

Geologic Interp. Method:	Not Reported
Geologic Interpretation Source:	Not Reported
Geologist Responsible:	Not Reported
Date of Last Update:	09/11/1991

### Drilling/Casing Information:

Drilling Method:	Not Reported	Drilling Fluid:	Not Reported
Casing Material:	Not Reported	Casing Jointing:	Not Reported
Casing Top to Ground Surface Distance:	Not Reported	Casing Installation:	Single Casing
Any Drive Shoe:	Not Reported		
Diameter of the largest Casing Set (in inches):	4		
Depth to the Top of the largest Casing Set (Ft.):	Not Reported		
Depth to the Bottom of the largest Casing Set (Ft.):	8		
Diameter of the 2nd largest Casing Set (in.):	Not Reported		
Depth to the Top of the 2nd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 2nd largest Casing Set (Ft.):	Not Reported		
Diameter of the 3rd largest Casing Set (in.):	Not Reported		
Depth to Top of the 3rd largest Casing Set (Ft.):	Not Reported		
Depth to Bottom of the 3rd largest Casing Set (Ft.):	Not Reported		
Diameter of the Top Section of the Hole (in.):	Not Reported		
Depth to the Bottom of the widest Section of the Hole (Ft.):	Not Reported		
Diameter of the 2nd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 2nd largest Section of the Hole (Ft.):	Not Reported		
Diameter of the 3rd largest Section of the Hole (in.):	Not Reported		
Depth to Bottom of the 3rd largest Section of the Hole (Ft.):	Not Reported		

### Screen Information:

Depth to Top of uncased Interval in Ft. (if not screened):	Not Reported		
Depth to Bottom of uncased Interval in Ft. (if not screened):	Not Reported		
Any Screen present:	Yes	Screen Type:	Galvanized
Screen Make:	JOHNSON	Screen Diameter (in inches):	4
1st Screen Slot/Gauze:	20	1st Screen length:	10
1st Screen Depth to Top:	8	1st Screen Depth to Bottom:	10
2nd Scrn. Slot/Gauze:	Not Reported	2nd Scrn. length:	Not Reported
2nd Scrn. Depth to Top:	Not Reported	2nd Scrn. Depth to Bottom:	Not Reported

### Driller's/Geologic Log Information:

Description of Geologic Materials:	TOPSOIL
Depth to the Top of measured Interval (in Ft.):	Not Reported
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SOIL
Secondary Lithography:	ORGANIC DEPOSITS
Minor Lithography:	Not Reported
Color of Geo. Materials:	BROWN
Stratigraphic Unit:	Holocene Deposits, deposit type unknown or undifferentiated, materials undifferentiated or sorting unknown, black

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description of Geologic Materials:	SILT CLAY
Depth to the Top of measured Interval (in Ft.):	1
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	CLAY
Secondary Lithography:	SILT
Minor Lithography:	Not Reported
Color of Geo. Materials:	RED
Stratigraphic Unit:	Pleistocene, materials undifferentiated or sorting unknown, red

Description of Geologic Materials:	SAND SILT
Depth to the Top of measured Interval (in Ft.):	15
Hardness of Geologic Materials:	Not Reported
Interpreted Primary Lithography:	SAND
Secondary Lithography:	SILT
Minor Lithography:	Not Reported
Color of Geo. Materials:	RED
Stratigraphic Unit:	Pleistocene, sand, materials undifferentiated or sorting unknown, red

AD134  
ENE  
1/2 - 1 Mile  
Higher

MN WELLS 3027439730

### Principal Well Information:

Unique Well #:	439730	County:	HENNEPIN
Township:	29	Section	12
Range:	24	Elevation (in Ft.):	930
Subsection:	CAADDD	Locator:	MGS
Location Method	Not Reported	Depth Completed (in Ft.):	18
7.5 Minute Quadrangle:	119C	Date drilled:	04/01/1988
Depth Drilled (in Ft.):	18	Date of Last Update:	09/11/1991
Status:	Active	Not Reported	
Geographic Coordinates Method:		Owner's Name:	Not Reported
Well Name:	PHILLIPS 66	Local Identifier Type:	Not Reported
Local Identifier:	Not Reported		
Data Source/Driller's License #:		27058	
Casing Diam (in):	5	Depth Cased (in Ft.):	8
Permit #:	Not Reported	Permit Type:	Not Reported
First Bedrock:	Not Reported	Wellhead Protection Area:	Not Reported
Open Interval-Top:	Not Reported	Open Interval-Bottom Unit:	Not Reported
DNR Application #:	Not Reported	Well Grouted ?:	Not Reported
Well Sealed ?:	Not Reported	Date Well Abandoned:	Not Reported
Aquifer:	Not Reported		
Depth to Bedrock (Ft.):	Not Reported		
Any other Unused, Abandoned Well on Property ?:	Not Reported		
Potential Pollution Source Type:	Not Reported		
Potential Pollution Source Distance (in Ft.):	Not Reported		
Potential Pollution Source Direction:	Not Reported		
Use:	Other		
Elevation Method:	7.5-minute Topographic Map (+ or - 5 Feet)		
Data for this well are contained in the DNT Observation Well Network Data base:			Not Reported
Indicator that an entry for this well exists in the State Water Use Data System:			Not Reported
Data exist for this well in the PCA Integrated Ground-Water Information System:			Not Reported
Indicator of the availability of cuttings, core or downhole geophysical data for this well:			Not Reported
Indicator of the existence of a digitized UTM location for this well:			Not Reported